

Budgeting from A to Z

Objectives:

Students will be able to:

- a. Solve story problems using information given
- b. Alphabetize a list of given items
- c. Work together in partnerships to complete a given assignment

Materials:

- Copies of the supply list for each pair of students
- Copies of the story problems and background information for each pair of students
- Glue
- Large pieces of construction paper

Introduction:

- Read through the background information about Herbert Quigley, the Superintendent of Construction for the Capitol.
- Review hints that will help the students in alphabetizing the supply list.

Activity:

- Divide the class into partnerships.
- Pass out one supply list and one page of story problems to each pair of students.
- Instruct the students to cut the supply list into horizontal strips along the dotted lines so they can easily shuffle the words to the right place as they are alphabetizing the list.
- Once they are sure the list is alphabetized correctly, they need to glue the strips carefully to a large piece of construction paper.
- As they wait for the glue to dry, they can help each other complete the story problems using their alphabetized supply list.

Assessment:

- During the activity, watch how well the students work together as partners. Assess their communication and problem solving skills as they complete the given assignment.
- Collect the completed lists and evaluate the students alphabetizing skills.
- Collect the story problems and assess their skills in this area as well.

A Balanced Budget

The information for this activity comes from the Superintendent of Construction's expense ledger. His name was Herbert Quigley. He was responsible for overseeing the construction of the Idaho State Capitol. He served as the person who would talk with the capitol architects and the various contractors – plumbers, carpenters, brick layers, stone masons, electricians, etc. He helped make certain the construction was done according to the plans, was being done on schedule, and was being done within the budget.

For this lesson, focus on two tasks. First, with a partner, cut the supply list into horizontal strips along the dotted lines and alphabetize the list from A to Z by shuffling the strips on your desk. Glue the strips to construction paper once they are in the correct order. Second, use the cost values to complete the following math problems. Read them all carefully before you begin solving. You will use your first answers to help solve the other problems.

1. You have \$700.00 in your budget for the next eight weeks. This week you need to buy an axe, an air drill, drafting paper, a 40 amp – 600 volt fuse, and a wheel barrow. How much money remains?
2. During the second week you need to purchase blasting powder, granite tools, and pay for a half-day livery (wagon use) charge. How much money remains?
3. A store found that you have a credit on their account. They credit you \$3.89 – sending this amount to you to put back into your budget. What total do you have now?
4. No supplies were purchased during the third week. The fourth week you bought axle grease, bits, a #11 and #12 hammer, two spools of barbed wire, and an emery stone. How much money do you have for the next four weeks?

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Supply list

<u>Item</u>	<u>\$Cost</u>
Fuse	
40 amp – 600 volt	.35
10 amp – 250 volt	.20
Barbed wire, per spool	4.84
Drafting paper	.10
Hatchet	1.51
Wheelbarrow, all steel	6.61
Anvil #105, per pound	.12
Carbolineum, ave. gal.	6.25
Wrench	
18 inch	1.75
24 inch	2.65
Axe	1.27
Air Hammer, Boyer	67.50
Caps, fuse box	.89
Emery stone	.65
Handle, sledge	.25
Grass seed, per pound	.20
Axle grease, per pail	1.20
Desk, roll top, oak, 4 X 6	27.50
Wagons (livery) ½ day	.50

Supply List
(Continued)

<u>Item</u>	<u>\$Cost</u>
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Air compressor	406.00
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Bits, per set	3.60
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Granite Tools	1.00
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Drill	
3/4 inch ratchet	1.55
1/8 inch twist	.10
7/16 inch twist	.35
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Hammer	
#11	.63
#12	.48
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Air drill, Little Giant Reversible #22	86.40
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Blasting powder	2.50
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Source: Supply list information comes from one of Herbert Quigley's expense ledgers (circa 1905-1912), Idaho State Historical Society MS 20 box 1 of 3.